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**1987 NORTH DAKOTA
VEHICULAR CRASH FACTS**

January 1989

Prepared by
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INTRODUCTION

The name of this publication has been changed this year from Accident Facts to Crash Facts to reflect an important change of attitude by the general public. When someone died on the highway a few years ago, it was considered "just an accident." Today each fatality is viewed as a "preventable crash."

Crash statistics are an important element of North Dakota's traffic safety program. It is only through careful analysis of crashes that pertinent information can be learned about their causes. Corresponding solutions can then be found—laws can be introduced, safety programs can be implemented, enforcement can be increased, and highway improvements can be made.

The specific nature of this data is aimed at helping the various professionals involved in traffic safety by showing them where they can best concentrate their safety efforts. VEHICULAR CRASH FACTS, therefore, is a valuable reference for news media, legislators, researchers, law enforcement agencies, judicial personnel, insurance companies, businesses, students, and persons involved in traffic safety activities. It also carries a message to everyone who gets behind the wheel. Safety is everyone's business.

This report is a study of the data compiled from all North Dakota motor vehicle crash reports in 1987. Pertinent information is maintained concerning drivers, motor vehicles, highways, and traffic crashes. Because a uniform crash report form was implemented statewide at the beginning of 1987, the entire computerized data retrieval system for the state's traffic records system was reprogrammed. We apologize for the lateness of this report which was directly related to the data retrieval delays. Now that the new system is working correctly, it will be possible to obtain data faster than ever before.

Requests for further information or additional copies of this report should be addressed to:

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ACKNOWLEDGEMENTS

Gratitude is extended to all law enforcement personnel at the city, county, and state levels who provide the accurate crash reports from which these statistics are obtained. Their efforts make this report a reliable source of information.

DID YOU KNOW?

1985	1986	1987	
5,579,200,000	5,633,676,000	5,729,027,000	vehicle miles traveled within the state.
14,646	13,546	11,308	traffic crashes occurred in North Dakota.
90	100	101	persons were killed in traffic crashes.
5,509	5,447	5,120	persons were injured in traffic crashes.
52%	58%	52%	of the fatal crashes occurred during daylight hours.
74%	74%	84%	of the fatal crashes occurred on dry surface with clear/cloudy weather conditions.

1987 FACTS AND FIGURES

4.1% of all licensed drivers in North Dakota were involved in a traffic crash.
83% of all fatalities were male.

WHO? 31% of those killed were between the ages of 14-24. Males in this age group account for 31% of all male fatalities. Females in this age group account for 29% of all female fatalities.

Ratio of injured to killed was 5,120 to 101 or 51 to 1.

64% of the fatal crashes involved a single motor vehicle.

WHERE? 17% of the fatal crashes occurred in urban areas.
83% of the fatal crashes occurred in rural areas.

25% of all fatal crashes occurred in July and August.
14% of all fatal crashes occurred on Saturday.
WHEN? 34% of all the fatal crashes occurred on Friday and Saturday.
10% of all fatal crashes occurred between 1:00-1:59 a.m.

A reportable crash occurred every 46 minutes.
One person was injured every 1.7 hours.
One person was killed every 3.6 days.

64% of the vehicles involved in crashes were passenger cars.

The total number of registered motorcycles in 1987 was 25,880 compared to 28,118 in 1986.

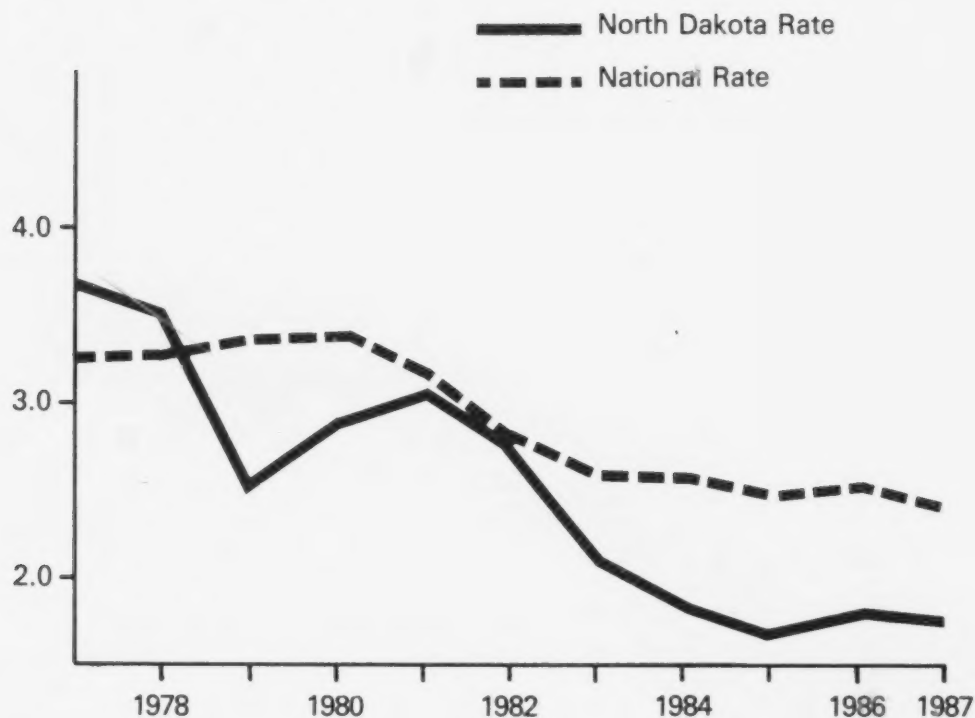
Of the 258 motorcycles involved in crashes, 7 were involved in fatal crashes and 227 were involved in injury crashes.

Of the 136 pedalcycles involved in crashes, 2 were involved in fatal crashes and 110 were involved in injury crashes.

Of the 27 school buses involved in crashes, 1 was involved in a fatal crash and 10 were involved in injury crashes.

18 emergency vehicles were involved in crashes, none were involved in fatal crashes and 10 were involved in injury crashes.

FATALITIES, NORTH DAKOTA AND NATIONAL FATALITY RATE*

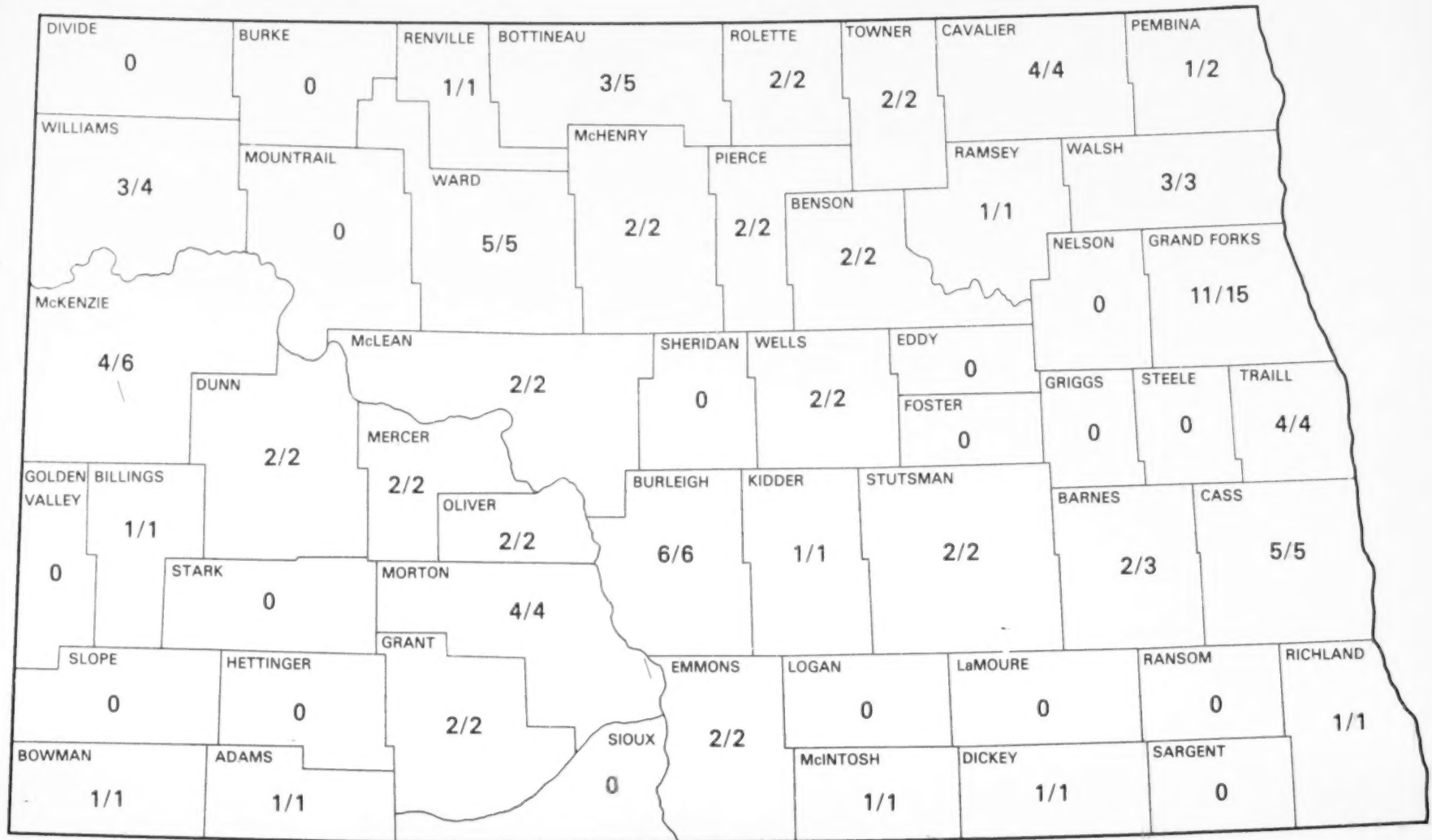


YEAR	NORTH DAKOTA FATALITIES	NORTH DAKOTA RATE	NATIONAL** FATALITIES	NATIONAL* RATE
1977	180	3.63	47,878	3.26
1978	185	3.50	50,331	3.26
1979	128	2.50	51,093	3.34
1980	151	2.85	51,091	3.38
1981	166	3.04	49,301	3.17
1982	148	2.75	43,945	2.76
1983	116	2.13	42,589	2.58
1984	100	1.82	44,257	2.57
1985	90	1.67	43,825	2.47
1986	100	1.78	46,056	2.51
1987	101	1.76	46,386	2.41

*Rate is based on deaths per 100 million vehicle miles traveled.

**Fatal Accident Reporting System Annual Report.

FATAL CRASHES/FATALITIES BY COUNTY - 1987



STATE TOTAL
Fatal Crashes - 90
Fatalities - 101

PERSONS KILLED AND INJURED BY COUNTY

County	Number Killed	Number Injured	Pedestrians Killed	Pedestrians Injured
Adams	1	3	—	—
Barnes	3	119	—	—
Benson	2	47	—	1
Billings	1	12	—	—
Bottineau	5	80	—	—
Bowman	1	16	—	1
Burke	—	33	—	—
Burleigh	6	645	3	15
Cass	5	1,047	1	24
Cavalier	4	31	—	—
Dickey	1	23	—	—
Divide	—	18	—	—
Dunn	2	42	—	—
Eddy	—	18	—	—
Emmons	2	25	1	2
Foster	—	15	—	—
Golden Valley	—	16	—	—
Grand Forks	15	669	—	9
Grant	2	21	—	—
Griggs	—	22	—	—
Hettinger	—	11	—	—
Kidder	1	39	—	1
LaMoure	—	28	—	—
Logan	—	14	—	—
McHenry	2	47	—	1
McIntosh	1	13	—	1
McKenzie	6	35	—	—
McLean	2	63	—	2
Mercer	2	37	1	—
Morton	4	176	1	2
Mountrail	—	62	—	1
Nelson	—	33	—	—
Oliver	2	26	—	—
Pembina	2	41	—	—
Pierce	2	38	—	—
Ramsey	1	86	—	2
Ransom	—	29	—	—
Renville	1	11	—	—
Richland	1	85	1	2
Rolette	2	92	—	2
Sargent	—	28	—	—
Sheridan	—	5	—	—
Sioux	—	3	—	1
Slope	—	3	—	—
Stark	—	170	—	6
Steele	—	14	—	—
Stutsman	2	258	—	7
Towner	2	20	—	—
Trail	4	33	—	2
Walsh	3	106	—	1
Ward	5	403	1	12
Wells	2	61	—	1
Williams	4	148	—	4
TOTALS	101	5,120	9	100

REPORTABLE CRASHES BY COUNTY

County	Total	Fatal	Injury	Property Damage
Adams	26	1	2	23
Barnes	251	2	77	172
Benson	118	2	28	88
Billings	30	1	10	19
Bottineau	116	3	18	95
Bowman	45	1	12	32
Burke	45	—	24	21
Burleigh	1,367	6	456	905
Cass	2,245	5	746	1,495
Cavalier	78	4	23	51
Dickey	97	1	17	79
Divide	38	—	10	28
Dunn	50	2	23	25
Eddy	49	—	14	35
Emmons	81	2	16	63
Foster	76	—	11	65
Golden Valley	25	—	9	16
Grand Forks	1,375	11	449	915
Grant	42	2	12	28
Griggs	39	—	16	23
Hettinger	34	—	8	26
Kidder	82	1	32	49
LaMoure	62	—	18	44
Logan	36	—	7	29
McHenry	119	2	36	81
McIntosh	46	1	11	34
McKenzie	109	4	26	79
McLean	139	2	39	98
Mercer	107	2	30	75
Morton	362	4	121	237
Mountrail	96	—	38	58
Nelson	68	—	23	45
Oliver	36	2	10	24
Pembina	96	1	29	66
Pierce	77	2	26	49
Ramsey	294	1	54	239
Ransom	57	—	18	39
Renville	46	1	9	36
Richland	213	1	62	150
Rolette	136	2	52	82
Sargent	51	—	21	30
Sheridan	9	—	3	6
Sioux	9	—	3	6
Slope	11	—	2	9
Stark	351	—	126	225
Steele	47	—	10	37
Stutsman	536	2	174	360
Towner	41	2	10	29
Traill	127	4	24	99
Walsh	265	3	67	195
Ward	1,018	5	274	739
Wells	101	2	34	65
Williams	334	3	97	234
TOTALS	11,308	90	3,467	7,751

MOTOR VEHICLE FATALITIES ON MAJOR HOLIDAYS

Holiday	Beginning Date	Ending Date	Hours*	Number Deaths
Memorial Day	May 22	May 25	78	—
July 4th	July 2	July 5	78	1
Labor Day	Sept. 4	Sept. 7	78	—
Thanksgiving	Nov. 25	Nov. 29	102	1
Christmas	Dec. 23	Dec. 27	102	2
New Years	Dec. 30, 1987	Jan. 3, 1988	102	—
TOTAL				4

Holiday hours established by the National Safety Council and begin at 6:00 p.m. on date shown, and end at 12:00 p.m. on date shown.

RESTRAINT DEVICE USAGE AND EJECTION OF OCCUPANTS

Safety Equipment	Not Ejected			Partial Ejection			Total Ejection		
	Killed	Injured	All	Killed	Injured	All	Killed	Injured	All
Not in Use (NA)	35	3,200	6,234	8	66	87	31	265	303
Lap Only	1	85	162	—	—	—	—	—	—
Lap & Shoulder	2	515	993	—	—	—	—	—	—
Child Restraint*	2	232	576	—	6	6	1	4	7
Auto Belts	—	1	1	—	—	—	—	—	—
Equip. Failed	—	—	1	—	—	—	—	—	—
Other	—	1	2	—	—	—	—	3	3
Unknown	1	153	511	—	3	3	—	6	7
TOTAL	41	4,187	8,479	8	75	96	32	278	320

*CHILD RESTRAINT USE

Safety Equipment	Not Ejected			Partial Ejection			Total Ejection		
	Killed	Injured	All	Killed	Injured	All	Killed	Injured	All
Not Installed	—	—	4	—	—	—	—	—	—
Used Properly	—	17	53	—	—	—	—	—	—
Used Improperly	—	2	3	—	—	—	—	—	—
Held by Passenger	—	2	5	—	—	—	—	—	—
In Veh./Not Used	—	3	5	—	—	—	—	—	—
Seat Belt Used	—	2	5	—	—	—	—	—	—
Other	—	—	—	—	—	—	—	1	1
Unknown	2	206	501	—	6	6	1	3	6
TOTAL	2	232	576	—	6	6	1	4	7

COST OF TRAFFIC CRASHES

Year	Fatalities		Number	Injuries		Property Damage Crashes	Total
	Number	Estimated Loss*		Estimated Loss*	Number	Estimated Loss*	Estimated Loss*
1978	185	53,127,375	6,206	19,766,110	13,756	7,153,120	80,046,605
1979	128	36,758,400	6,386	20,339,410	13,850	7,202,000	64,299,810
1980	151	43,363,425	5,885	18,743,725	10,744	5,586,880	67,694,030
1981	166	47,671,050	6,213	19,788,405	11,069	5,755,880	73,215,335
1982	148	42,501,900	5,814	18,517,590	11,866	6,170,320	67,189,810
1983	116	33,312,300	5,504	17,530,240	10,971	5,704,920	56,547,460
1984	100	28,717,500	5,413	17,240,405	11,389	5,922,280	51,880,185
1985	90	25,845,750	5,509	17,546,165	10,895	5,665,400	49,057,315
1986	100	28,717,500	5,447	17,348,695	9,774	5,082,480	51,148,675
1987	101	\$29,004,675	5,120	\$16,307,200	7,751	\$4,030,520	\$49,342,395

*Estimated at \$287,175 per fatality, \$3,185 per injury and \$520 per reportable accident.

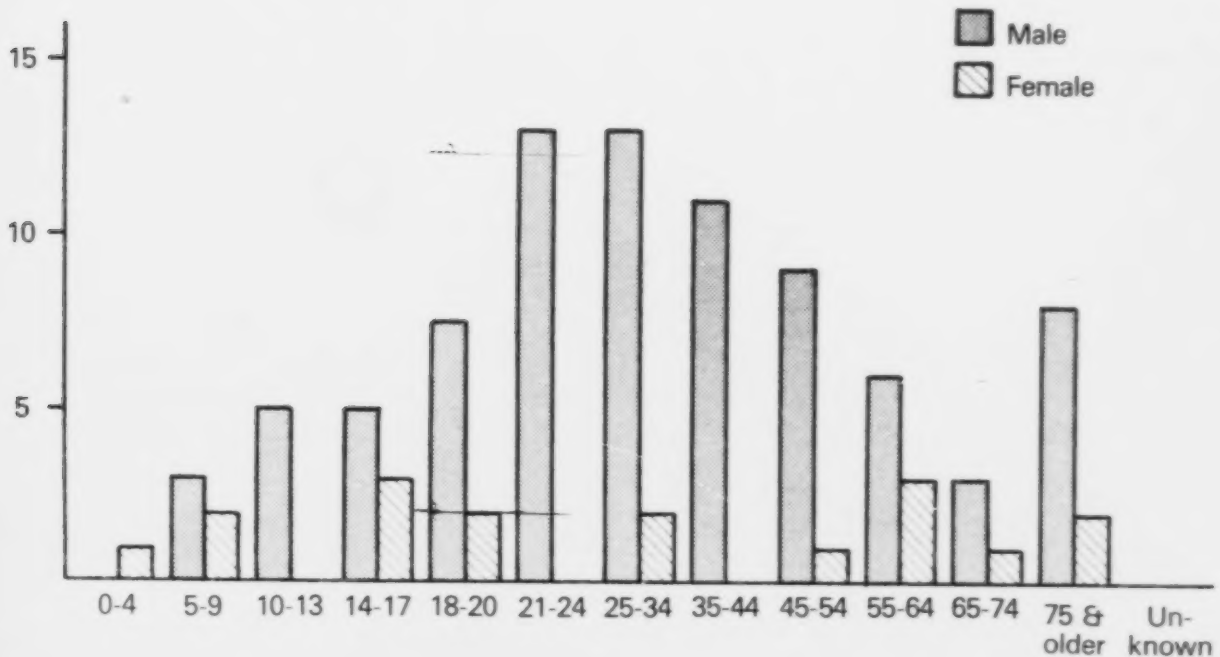
Estimated figures published by U.S. Department of Transportation, National Highway Traffic Safety Administration.

TOTAL AND FATAL CRASHES BY TIME OF DAY AND DAY OF WEEK

Time of Day	Total Crashes			Monday		Tuesday		Wednesday		Thursday		Friday		Saturday		Sunday	
	Total	%	Fatals	Crashes	Fatals	Crashes	Fatals	Crashes	Fatals	Crashes	Fatals	Crashes	Fatals	Crashes	Fatals	Crashes	Fatals
12:01 a.m. - 12:59 a.m.	308	2.7	2	21	—	22	—	26	—	29	2	31	—	96	—	83	—
1:00 a.m. - 1:59 a.m.	406	3.6	9	12	—	26	2	36	1	54	—	39	2	127	3	112	1
2:00 a.m. - 2:59 a.m.	260	2.3	7	10	—	19	—	22	1	29	1	38	2	56	1	86	2
3:00 a.m. - 3:59 a.m.	182	1.6	5	5	—	7	—	18	—	17	1	16	1	49	—	70	3
4:00 a.m. - 4:59 a.m.	110	1.0	1	8	1	9	—	8	—	10	—	11	—	32	—	32	—
5:00 a.m. - 5:59 a.m.	136	1.2	1	14	—	13	—	12	—	23	—	19	—	30	—	25	1
6:00 a.m. - 6:59 a.m.	180	1.6	—	20	—	22	—	30	—	30	—	21	—	23	—	34	—
7:00 a.m. - 7:59 a.m.	429	3.8	1	74	1	91	—	72	—	79	—	81	—	22	—	10	—
8:00 a.m. - 8:59 a.m.	484	4.3	3	78	1	88	1	100	1	84	—	77	—	43	—	14	—
9:00 a.m. - 9:59 a.m.	407	3.6	4	70	2	69	1	55	—	63	1	61	—	64	—	25	—
10:00 a.m. - 10:59 a.m.	452	4.0	6	82	—	60	—	74	—	48	1	70	1	59	1	59	3
11:00 a.m. - 11:59 a.m.	553	4.9	2	74	1	71	—	76	—	87	1	105	—	96	—	44	—
12:00 p.m. - 12:59 p.m.	617	5.5	6	104	2	89	—	95	3	81	—	111	—	90	1	47	—
1:00 p.m. - 1:59 p.m.	520	4.6	6	86	2	75	—	73	3	55	—	90	1	89	—	52	—
2:00 p.m. - 2:59 p.m.	626	5.5	5	104	1	82	—	105	1	74	—	113	1	90	1	58	1
3:00 p.m. - 3:59 p.m.	879	7.8	—	129	—	142	—	131	—	128	—	172	—	103	—	74	—
4:00 p.m. - 4:59 p.m.	841	7.4	7	135	2	122	—	123	—	138	1	159	3	97	1	67	—
5:00 p.m. - 5:59 p.m.	780	6.9	7	119	1	129	—	92	2	123	1	141	1	107	—	69	2
6:00 p.m. - 6:59 p.m.	644	5.7	3	94	1	94	—	78	—	91	—	116	—	111	1	60	1
7:00 p.m. - 7:59 p.m.	527	4.7	2	58	—	76	—	76	—	84	1	101	1	73	—	59	—
8:00 p.m. - 8:59 p.m.	443	3.9	3	46	—	57	—	64	—	65	—	83	2	76	1	52	—
9:00 p.m. - 9:59 p.m.	515	4.6	7	56	—	69	2	65	—	66	1	93	1	101	3	65	—
10:00 p.m. - 10:59 p.m.	493	4.4	1	48	—	57	—	78	—	58	—	103	1	80	—	69	—
11:00 p.m. - 11:59 p.m.	418	3.7	2	44	—	38	—	47	—	44	—	112	1	95	—	38	1
Unknown Times	98	.9	—	13	—	11	—	11	—	16	—	15	—	23	—	9	—
TOTALS	11,308	100.0	90	1,504	15	1,538	6	1,567	12	1,576	11	1,978	18	1,832	13	1,313	15

AGE AND SEX OF FATALITIES

Age	Total Fatalities		Pedestrian Fatalities		Pedalcyclist Fatalities	
	Male	Female	Male	Female	Male	Female
0 — 4	—	1	—	1	—	—
5 — 9	3	2	—	1	1	—
10 — 13	5	—	—	—	1	—
14 — 17	5	3	1	—	—	—
18 — 20	8	2	1	—	—	—
21 — 24	13	—	—	—	—	—
25 — 34	13	2	—	1	—	—
35 — 44	11	—	—	—	—	—
45 — 54	9	1	1	—	—	—
55 — 64	6	3	1	—	—	—
65 — 74	3	1	1	—	—	—
75 & older	8	2	1	—	—	—
Unknown	—	—	—	—	—	—
TOTAL	84	17	6	3	2	0



NORTH DAKOTA/OUT-OF-STATE DRIVER INVOLVEMENT

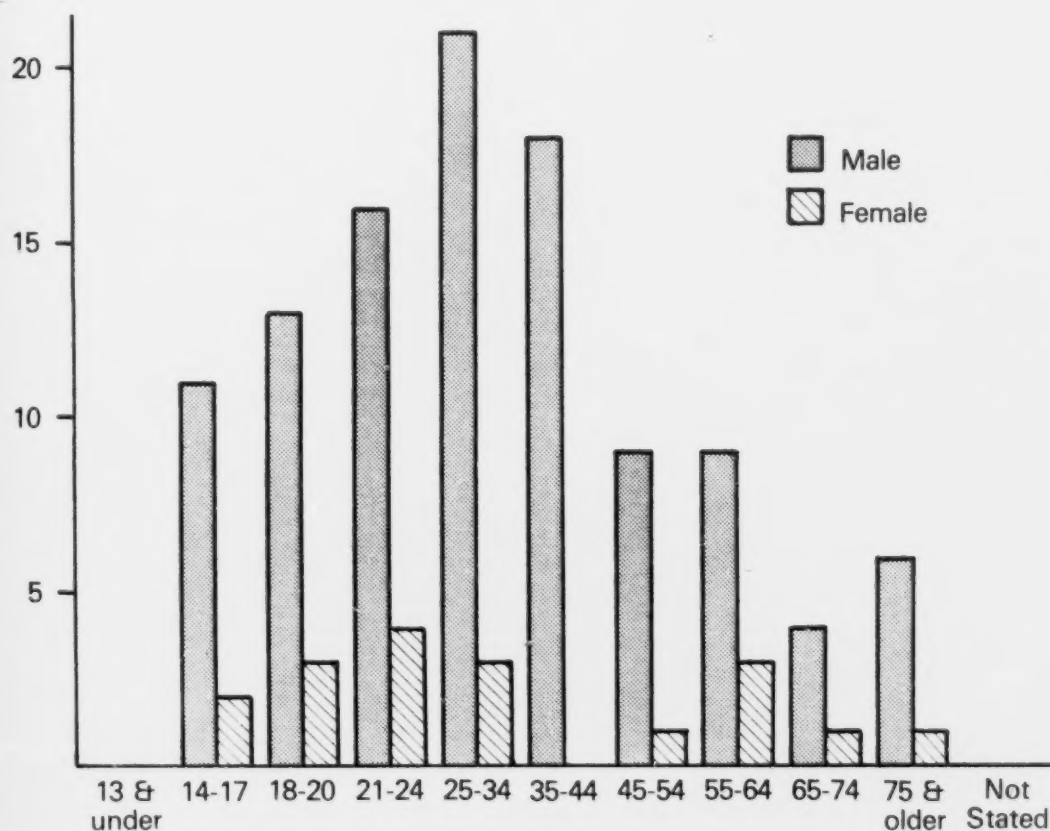
License	All Accidents			Injury Accidents		
North Dakota	15,312	or	85.7%	4,779	or	85.6%
Out-of-State	2,437	or	13.6%	771	or	13.8%
Unknown	122	or	0.7%	35	or	0.6%
TOTAL	17,871			5,585		

AGE AND SEX OF PERSONS INJURED

Age	Total	Male	Female	Pedestrian Injuries		Pedalcyclist Injuries	
				Male	Female	Male	Female
0 — 4	108	53	55	8	1	1	—
5 — 9	210	126	84	12	5	21	9
10 — 13	147	78	69	3	4	18	11
14 — 17	832	385	447	7	3	12	3
18 — 20	676	381	295	—	1	5	1
21 — 24	614	351	263	1	1	5	3
25 — 34	977	520	457	7	5	6	4
35 — 44	514	258	256	9	5	2	1
45 — 54	292	135	157	4	5	2	4
55 — 64	272	129	143	4	1	—	—
65 — 74	234	103	131	1	5	1	—
75 & older	210	96	114	6	2	—	—
Unknown	34	16	18	—	—	—	—
TOTAL	5,120	2,631	2,489	62	38	73	36

AGE AND SEX OF DRIVERS INVOLVED IN FATAL CRASHES

Age	Male	Female	Total	% of Total
13 & under	—	—	1	0.8
14 — 17	12	2	14	11.5
18 — 20	8	3	11	9.0
21 — 24	16	4	20	16.4
25 — 34	21	3	24	19.7
35 — 44	18	—	18	14.8
45 — 54	9	1	10	8.2
55 — 64	9	3	12	9.8
65 — 74	4	1	5	4.1
75 & older	6	1	7	5.7
Not Stated	—	—	—	—
TOTAL	104	18	122	



CRASH INVOLVEMENT BY AGE, SEX AND LICENSE OF DRIVER

Age	Licensed Drivers		Involved In All Crashes			Involved In Injury Crashes		
13 and under	—	—	19	or	0.1%	11	or	0.2%
14 — 17	18,143	or 4.2%	2,127	or	11.9%	711	or	12.7%
18 — 20	25,417	or 5.8%	2,485	or	13.9%	786	or	14.0%
21 — 24	37,570	or 8.6%	2,435	or	13.6%	785	or	14.0%
25 — 34	105,616	or 24.3%	4,288	or	24.0%	1,338	or	24.0%
35 — 44	80,561	or 18.5%	2,438	or	13.6%	724	or	13.0%
45 — 54	52,821	or 12.1%	1,271	or	7.1%	376	or	6.7%
55 — 64	50,613	or 11.6%	1,138	or	6.4%	348	or	6.3%
65 — 74	41,749	or 9.6%	868	or	4.9%	284	or	5.1%
75 and older	23,264	or 5.3%	649	or	3.6%	184	or	3.3%
Not Stated	—	—	153	or	0.9%	38	or	0.7%
TOTAL	435,754		17,871			5,585		
Sex								
Male	223,351	or 51.3%	11,470	or	64.2%	3,431	or	61.4%
Female	212,403	or 48.7%	6,401	or	35.8%	2,154	or	38.6%
TOTAL	435,754		17,871			5,585		

FATALITY BLOOD ALCOHOL CONCENTRATION LEVELS

The North Dakota Century Code requires that the state toxicologist analyze a blood sample of every person killed in a traffic crash for the purpose of determining if the individual has a Measurable Blood Alcohol Concentration (BAC), and what the percentage of BAC was. The following statistics were provided by the state toxicologist for the period January 1978 through December 1987.

	1987	January 1978 thru December 1987
Traffic deaths in North Dakota	101	1,281
Victims 14 years of age and older	90	1,203
Number of satisfactory blood samples analyzed	72	857
Victims	101 (72)*	1,281 (857)*
Measurable BAC	39 or 54%	546 or 64%
BAC of 0.05% or higher	38 or 53%	509 or 59%
BAC of 0.10% or higher	36 or 50%	454 or 53%
BAC of 0.15% or higher	30 or 42%	363 or 42%
BAC of 0.20% or higher	18 or 25%	215 or 25%
Drivers killed	72 (60)*	838 (637)*
Measurable BAC	31 or 52%	410 or 64%
BAC of 0.05% or higher	31 or 52%	387 or 61%
BAC of 0.10% or higher	30 or 50%	354 or 56%
BAC of 0.15% or higher	26 or 43%	285 or 45%
BAC of 0.20% or higher	15 or 25%	171 or 27%
Drivers killed in single-vehicle crashes	35 (31)*	378 (310)*
Measurable BAC	22 or 71%	241 or 78%
BAC of 0.05% or higher	22 or 71%	235 or 76%
BAC of 0.10% or higher	22 or 71%	224 or 72%
BAC of 0.15% or higher	19 or 61%	187 or 60%
BAC of 0.20% or higher	12 or 39%	115 or 37%
Victims 14 to 20 years of age	18 (13)*	289 (203)*
Measurable BAC	8 or 62%	138 or 68%
BAC of 0.05% or higher	8 or 62%	121 or 60%
BAC of 0.10% or higher	6 or 46%	97 or 48%
BAC of 0.15% or higher	4 or 31%	58 or 29%
BAC of 0.20% or higher	0 or 0%	20 or 10%
Drivers 14 to 20 years of age	12 (10)*	172 (134)*
Measurable BAC	6 or 60%	93 or 69%
BAC of 0.05% or higher	6 or 60%	85 or 63%
BAC of 0.10% or higher	5 or 50%	72 or 54%
BAC of 0.15% or higher	3 or 30%	45 or 34%
BAC of 0.20% or higher	0 or 0%	16 or 12%

*Numbers in parenthesis are the number of blood samples processed by the state toxicologist.

CRASHES BY TYPE OF DRIVER VIOLATION

Violation	All Crashes			Fatal Crashes			Injury Crashes		
	Urban	Rural	Total	Urban	Rural	Total	Urban	Rural	Total
None	7,079	4,009	11,088	10	56	66	2,253	963	3,216
D.U.I	254	269	523	2	16	18	138	164	302
Open Container	6	13	19	1	2	3	4	5	9
Drivers License	128	111	239	2	5	7	58	55	113
Careless Driving	398	622	1,020	—	3	3	135	259	394
Left. Acc. Scene	140	85	225	—	1	1	38	26	64
Fail to Yield	1,694	305	1,999	3	8	11	529	112	641
Traffic Control	286	11	297	—	1	1	107	5	112
Following	357	72	429	—	—	—	132	27	159
Improper Turning	248	56	304	—	—	—	30	10	40
Improper Backing	83	54	137	—	1	1	5	4	9
Overtaking	37	51	88	—	1	1	8	15	23
Wrong Way	15	9	24	—	—	—	7	2	9
Speed	107	62	169	2	2	4	38	23	61
Defective Equip.	34	23	57	—	1	1	8	7	15
Criminal Offense	21	20	41	—	—	—	12	11	23
Illegal Parking	9	11	20	—	—	—	4	5	9
Other	689	503	1,192	1	4	5	214	172	386
TOTALS	11,585	6,286	17,871	21	101	122	3,720	1,865	5,585

CRASH SUMMARY BY MONTH

Month	Total Crashes			Fatal Crashes	Injury Crashes	No. Deaths	No. Injured
January	1,220	or	9.0%	5	271	6	372
February	1,036	or	9.1%	5	253	5	354
March	1,014	or	8.9%	3	269	5	369
April	793	or	7.0%	9	236	10	366
May	980	or	8.6%	7	327	8	476
June	959	or	8.5%	9	294	11	422
July	848	or	7.5%	8	318	8	465
August	889	or	7.8%	15	326	16	539
September	864	or	7.6%	6	286	6	417
October	1,007	or	8.9%	10	324	13	509
November	995	or	8.8%	7	292	7	427
December	941	or	8.3%	6	271	6	404
TOTALS	11,308			90	3,467	101	5,120

CRASHES BY LIGHT CONDITIONS

Light Condition	Total Crashes			Fatal Crashes	Injury Crashes
 Daylight	6,838	or	60.5%	47	2,169
 Dawn	203	or	1.8%	2	55
 Dusk	447	or	3.9%	—	126
 Darkness	1,775	or	15.7%	6	572
 Darkness	2,009	or	17.8%	35	543
 ? Unknown	36	or	0.3%	—	2
TOTALS	11,308			90	3,467

ROAD SURFACE AND WEATHER CONDITIONS FATAL CRASHES

Weather Cond.	Road Surface Conditions								Total
	Dry	Wet	Muddy	Snow	Slush	Ice/ Comp. Snow	Frost	Other	
 Clear/Cloudy	76	1	—	—	—	1	1	2	81
 Rain	—	4	—	—	—	—	—	—	4
 Fog/Smoke	1	2	—	—	—	1	1	—	5
TOTALS	77	7	—	—	—	2	2	2	90

ROAD SURFACE AND WEATHER CONDITIONS INJURY CRASHES

Road Surface Conditions

Weather Cond.	Dry	Wet	Muddy	Snow	Slush	Ice/ Comp. Snow	Frost	Other	Total
 Clear/ Cloudy	2,470	183	7	25	16	209	61	12	2,983
 Rain	1	192	—	—	3	17	—	1	214
 Snow	2	15	—	33	10	59	1	1	121
 Slow Snow	1	—	1	4	—	45	—	—	51
 Steel/ Hail	—	2	1	—	3	28	—	—	34
 Fog/ Smoke	20	6	1	—	—	13	12	—	52
 Wind	4	—	—	—	—	1	—	—	5
 Other	1	3	—	—	—	1	1	1	7
TOTALS	2,499	401	10	62	32	373	75	15	3,467

TRAFFIC VIOLATIONS/CONVICTIONS

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	1987	1986
No Driver's License	156	107	119	119	214	257	166	173	25	19	30	105	1,490	1,731
Reckless Driving	20	16	29	20	30	36	24	32	33	13	29	29	311	401
Speeding	5,544	5,024	4,085	3,941	4,940	5,612	4,040	3,521	517	189	1,147	4,412	42,972	54,565
Fail to Stop	365	290	285	240	247	262	164	189	22	8	59	225	2,356	3,109
Careless Driving	42	40	42	31	47	60	40	40	8	6	11	43	410	539
Lv/Scene - Property Damage	15	12	15	19	20	14	10	14	6	19	15	19	178	205
Care Required	188	181	162	113	167	175	127	127	16	2	31	153	1,442	2,053
Exhibition Driving	99	67	69	72	105	123	77	79	10	4	14	74	793	1,163
Open Container in MV	78	81	70	76	104	126	102	75	23	15	30	61	841	1,514
Failure to Yield	140	90	97	58	78	94	70	57	5	1	18	77	785	1,134
Failed to Report Crash	40	27	12	24	22	27	14	15	—	2	4	16	203	318
Disregard Traffic Control	275	227	211	168	193	259	166	191	5	3	48	190	1,936	2,634
No Liability Insurance	72	62	51	28	41	46	37	25	3	1	3	47	416	576
Disregard Law Officer in MV	11	12	5	7	7	12	4	11	8	11	10	9	107	123
Driving Under Influence	139	58	194	182	204	252	210	186	292	228	239	243	2,427	2,972
Physical Control	18	4	28	24	30	26	22	22	29	24	16	24	267	316
Driving Under Susp./Revoc.	167	177	158	182	190	215	170	61	143	190	119	199	1,971	2,041
Violation of DL Restrictions	18	8	8	18	19	21	18	18	2	1	6	10	147	207
Racing MV on Highway	1	1	4	4	4	1	1	3	—	—	3	1	23	63
Miscellaneous	937	1,006	795	773	964	1,028	671	666	77	62	201	698	7,878	8,770
TOTALS	8,325	7,490	6,439	6,099	7,626	8,646	6,133	5,505	1,224	798	2,033	6,635	66,953	84,433

ROAD SURFACE AND WEATHER CONDITIONS ALL CRASHES

Road Surface Conditions

Weather Cond.	Dry	Wet	Muddy	Snow	Slush	Ice/ Comp. Snow	Frost	Other	Total
 Clear/ Cloudy	7,606	594	23	102	72	959	175	41	9,572
 Rain	5	578	9	—	10	55	—	1	658
 Snow	5	44	—	128	67	321	1	3	569
 Slow/ Snow	9	—	2	21	4	135	1	2	174
 Sleet/ Hail	—	7	1	—	9	99	2	—	118
 Fog/ Smoke	60	24	1	—	2	37	39	1	164
 Wind	13	4	—	—	1	4	—	—	22
 Other	11	5	—	—	—	3	2	10	31
TOTAL	7,709	1,256	36	251	165	1,613	220	58	11,308

TYPE OF MOTOR VEHICLE CRASHES

NUMBER OF CRASHES

	TOTAL				ON ROADWAY				OFF ROADWAY			
	Total	Fatal	Injury	Damage	Total	Fatal	Injury	Damage	Total	Fatal	Injury	Damage
Overturning	1,160	24	554	582	334	2	175	157	826	22	379	425
Other Noncollision	543	1	240	302	121	—	52	69	422	1	188	233
Pedestrian	118	9	108	1	107	6	100	1	11	3	8	—
RR Train	18	1	9	8	16	1	8	7	2	—	1	1
Pedalcyclist	92	2	86	4	87	2	83	2	5	—	3	2
Animal	1,035	—	45	990	1,015	—	39	976	20	—	6	14
Fixed Object	920	19	262	639	264	—	67	197	656	19	195	442
Other Object	145	1	53	91	68	—	21	47	77	1	32	44
Fire/Explosion	41	—	1	40	28	—	1	27	13	—	—	13
Submersion	8	1	2	5	2	—	1	1	6	1	1	4
Parked MV	12	—	1	11	5	—	1	4	7	—	—	7
Struck Other MV	6,472	32	1,949	4,491	6,147	31	1,887	4,229	325	1	62	262
Unknown	744	—	157	587	567	—	136	431	177	—	21	156
TOTAL	11,308	90	3,467	7,751	8,761	42	2,571	6,148	2,547	48	896	1,603

NUMBER OF PERSONS INVOLVED

	Total	Fatalities	Incapacitating Injury	Evident Injury	Possible Injury	No Injury
Overturning	1,924	24	162	417	262	1,059
Other Noncollision	824	1	69	137	103	514
Pedestrian	261	9	30	46	19	157
RR Train	24	1	1	7	3	12
Pedalcyclist	210	2	20	52	20	116
Animal	1,832	—	6	36	23	1,767
Fixed Object	1,332	22	76	186	84	964
Other Object	236	1	12	42	14	167
Fire/Explosion	73	—	—	1	—	72
Submersion	22	1	—	3	—	18
Parked MV	21	—	—	1	—	20
Struck Other MV	18,971	40	359	1,092	1,626	15,854
Unknown	1,652	—	14	79	118	1,441
TOTAL	27,382	101	749	2,099	2,272	22,161

*SUMMARY OF REPORTABLE CRASHES BY CITY POPULATION 5,000 AND OVER

	Total	Fatal	Injury	Damage	Number Killed	Number Injured
Fargo	1,772	1	591	1,180	1	824
Grand Forks	1,036	4	363	669	5	522
Bismarck	1,179	6	401	772	6	553
Minot	768	2	195	571	2	275
Jamestown	360	—	121	239	—	173
Dickinson	229	—	75	154	—	97
Williston	207	—	62	145	—	96
Mandan	207	1	69	137	1	95
Valley City	127	—	39	88	—	56
Devils Lake	171	—	27	144	—	45
Wahpeton	89	—	26	63	—	32
Grafton	101	—	17	84	1	22
West Fargo	153	1	58	94	1	68
TOTALS	6,399	15	2,044	4,340	16	2,858

*Does not include Interstate urban accidents.

VEHICLE INVOLVEMENT BY TYPE

	Total Accidents			Fatal Accidents	Injury Accidents
Passenger Car	12,324	or	64.3%	55	3,784
Pickup - Van - Jeep	4,358	or	22.7%	42	1,282
Truck Tractor	376	or	2.0%	8	99
Truck	318	or	1.7%	5	100
Taxi	10	or	0.1%	—	3
Bus	28	or	0.1%	—	9
School Bus	27	or	0.1%	1	10
Motorcycle	258	or	1.3%	7	227
Moped	11	or	0.1%	—	11
Pedalcycle	116	or	0.6%	2	110
Construction Equipment	35	or	0.2%	—	8
Snowmobile	4	or	0.0%	—	2
Emergency Equipment	18	or	0.1%	—	8
Train	7	or	0.0%	1	2
Motor Home/R.V.	27	or	0.1%	—	8
Farm Equipment	38	or	0.2%	1	15
All Terrain Vehicle	13	or	0.1%	2	11
Parked	1,180	or	6.2%	1	210
Other	25	or	0.1%	—	8
TOTALS	19,173			126	5,907

CRASHES BY OBJECT STRUCK

	All Urban	All Rural	Fatal Urban	Fatal Rural	Injury Urban	Injury Rural
None	5,757	2,545	13	57	1,820	848
Official Sign	74	69	—	—	20	17
Advertising Sign	7	5	—	—	3	—
Delineator	13	50	—	1	2	14
Guardrail	29	95	—	3	11	27
Light Standard	86	16	—	—	29	1
Bridge	29	46	—	2	11	10
Drainage Structure	2	39	—	2	1	16
Utility Pole	76	56	1	—	27	19
Tree/Shrub	87	93	—	—	39	31
Rocks	2	19	—	—	1	7
Roadway Slope	20	402	—	—	16	200
Fence	21	81	—	—	4	29
Hydrant	17	8	—	—	4	1
Bird	—	—	—	—	—	—
Small Pet	1	4	—	—	1	2
Small Wild Animal	—	4	—	—	—	—
Farm Animal	2	122	—	—	1	19
Deer	20	871	—	—	—	22
Other Big Game	—	14	—	—	—	1
Approach	1	130	—	9	—	86
Building	35	23	—	—	11	6
Mailbox	8	24	—	—	3	2
Snowbank	3	23	—	—	1	7
Curb/Wall	48	4	1	—	20	1
Other	61	166	—	1	19	57
TOTAL	6,399	4,909	15	75	2,044	1,423

CRASHES BY URBAN POPULATION

*Urban Population	NUMBER OF CRASHES				NUMBER OF PERSONS	
	Total	Fatal	Injury	Damage	Killed	Injured
5,000 — 10,000	488	—	109	379	—	155
10,000 — 25,000	1,156	2	385	769	2	529
25,000 — 50,000	2,983	12	959	2,012	13	1,349
50,000 — 100,000	1,772	1	591	1,180	1	824
TOTALS	6,399	15	2,044	4,340	16	2,857

*Does not include Interstate urban crashes. Interstate is considered a rural roadway.

CRASHES BY ROADWAY

URBAN

Urban Roadways	Total	Fatal	Injury	Damage	Killed	Injured
Interstate	128	1	22	105	1	31
Federal-aid Primary	1,756	8	622	1,126	9	921
Federal-aid Urban	2,443	6	776	1,661	6	1,067
Local	2,200	1	646	1,553	1	870
SUBTOTALS	6,527	16	2,066	4,445	17	2,889

RURAL

Rural Roadways	Total	Fatal	Injury	Damage	Killed	Injured
Interstate	511	4	128	379	4	203
Federal-aid Primary	1,575	29	453	1,093	35	738
Federal-aid Secondary	853	21	281	551	25	478
Local	1,842	20	539	1,283	20	812
SUBTOTALS	4,781	74	1,401	3,306	84	2,231
TOTALS	11,308	90	3,467	7,751	101	5,120

NON-TRAFFIC CRASHES*

	CRASHES			
	Total	Fatal	Injury	Damage
Overturning	37	—	21	16
Other Noncollision	19	—	5	14
Pedestrian	27	1	25	1
Struck Other MV	458	—	29	429
Parked MV	8	—	—	8
RR Train	1	—	—	1
Pedalcyclist	15	—	15	—
Animal	—	—	—	—
Fixed Object	204	1	24	179
Other Object	24	—	3	21
Fire/Explosion	4	—	1	3
Submersion	—	—	—	—
Unknown	236	—	10	226
TOTALS	1,033	2	133	898

	PERSONS					
	Total	Fatalities	Incap. Injury	Evident Injury	Possible Injury	None
Overturning	61	—	12	8	11	30
Other Noncollision	27	—	5	1	—	21
Pedestrian	69	1	8	12	4	44
Struck Other MV	926	—	3	20	16	887
Parked MV	3	—	—	—	—	3
RR Train	1	—	—	—	—	1
Pedalcyclist	18	—	—	2	1	15
Animal	—	—	—	—	—	—
Fixed Object	226	1	1	20	10	194
Other Object	33	—	1	2	—	30
Fire/Explosion	5	—	—	—	1	4
Submersion	—	—	—	—	—	—
Unknown	234	—	4	3	5	222
TOTALS	1,603	2	34	68	48	1,451

*Any crash involving motor vehicles occurring entirely outside of a public traveled way.